Introduction to Time line

The time line given below shows the approximate starting and end times of actions and events included in this year's Water Management Plan. It is designed to give a sense of when various actions occur. Dates are approximate and subject to change. Also note actions shown may not happen.

Project abbreviations.

LIB – Libby

HGH – Hungry Horse

LWG - Lower Granite

LGS – Little Goose

LMN – Lower Monumental

IHR - Ice Harbor

MCN – McNary

JDA – John Day

TDA – The Dalles

BON – Bonneville

TMT – Technical Management Team

DWR – Dworshak

PRD - Priest Rapids

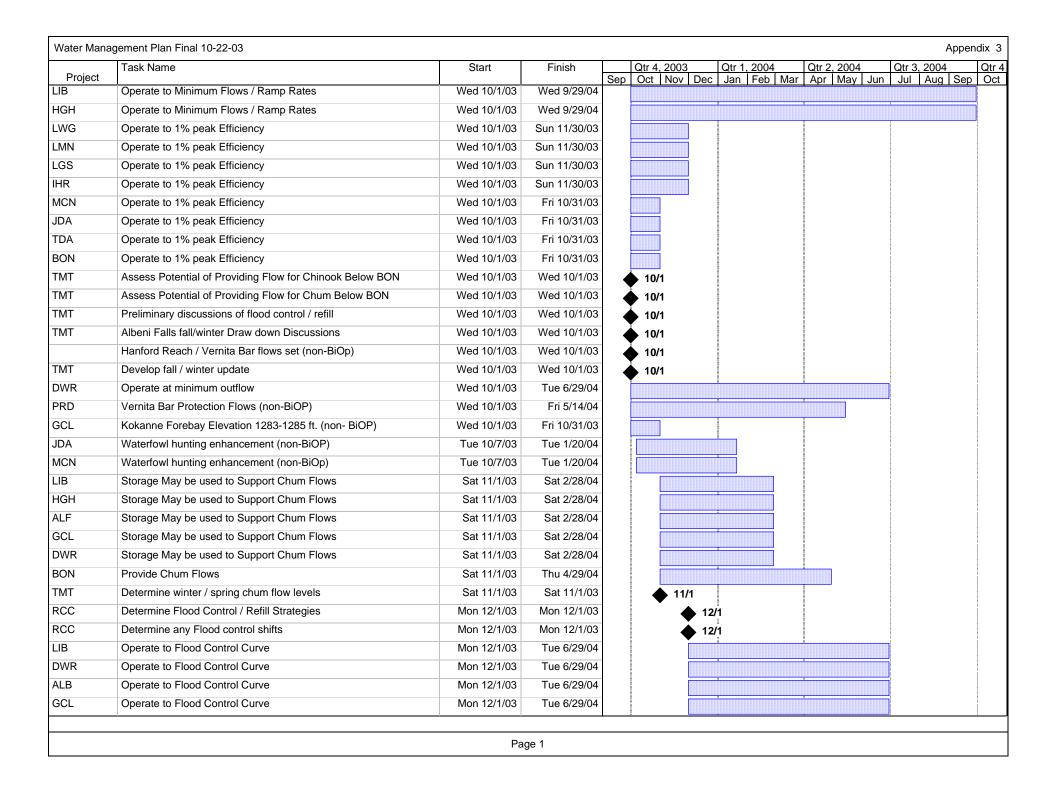
ALF – Albeni Falls

GCL – Grand Coulee

RCC – Reservoir Control Center

RFC – River Forecast Center

USBR – US Bureau of Reclamation



Project	Task Name	Start	Finish	Sep	Oct Nov	B Doo	Qtr 1	, 2004 Feb I	140=	Qtr 2, 2004 Apr May Jun	Qtr 3, 2004 Jul Aug Sep	Qtr
HGH	Operate to Flood Control Curve	Mon 12/1/03	Tue 6/29/04	Sep	OCI INOV	Dec	Jan	rebli	viai	Apr Iway Juri	Jul Aug Sep	100
ARDB	Whitefish Flows 45-55 Kcfs (non-BiOP)	Sat 12/20/03	Tue 3/30/04									
LIB	Burbot Flows 6-8 Kcfs (non-BiOp)	Thu 1/1/04	Sat 3/6/04									
ARDB	1 MAF Flow Augmentation Filling	Thu 1/1/04	Thu 4/29/04						i			
RFC	January Final Forecast	Thu 1/8/04	Thu 1/8/04				1 /	8				
TMT	Preliminary Work on Spring/ Summer Update	Thu 1/15/04	Thu 1/15/04				•	1/15				
TMT	Begin discussing spring Operations	Sun 2/1/04	Sun 2/1/04				· (2/1				
TMT	Begin Spring transport Discussions	Sun 2/1/04	Sun 2/1/04					2/1				
TMT	Hanford Reach Operations Discussions (non-BiOp)	Sun 2/1/04	Sun 2/1/04				•	2/1				
RFC	February Final Forecast	Sat 2/7/04	Sat 2/7/04					<u>2/7</u>				
USBR	Min Flows from HGH and at Columbia Falls	Mon 3/1/04	Mon 3/1/04					•	3/1			
BON	Spring Creek Hatchery Release (non-BiOP)	Mon 3/1/04	Wed 3/10/04						1			
RCC	Outlook for Meeting Flow objectives prepared	Mon 3/1/04	Mon 3/1/04					•	3/1			
RFC	March Final Forecast	Sun 3/7/04	Sun 3/7/04					4	3/7	7		
LWG	Operate to 1% peak Efficiency	Mon 3/15/04	Thu 9/30/04					•				
LMN	Operate to 1% peak Efficiency	Mon 3/15/04	Thu 9/30/04									i
LGS	Operate to 1% peak Efficiency	Mon 3/15/04	Thu 9/30/04									i
IHR	Operate to 1% peak Efficiency	Mon 3/15/04	Thu 9/30/04									
MCN	Operate to 1% peak Efficiency	Mon 3/15/04	Thu 9/30/04									i
JDA	Operate to 1% peak Efficiency	Mon 3/15/04	Thu 9/30/04									i
TDA	Operate to 1% peak Efficiency	Mon 3/15/04	Thu 9/30/04									i
BON	Operate to 1% peak Efficiency	Mon 3/15/04	Thu 9/30/04									i
JDA	Goose Nesting Enhancement (non-BiOp)	Mon 3/15/04	Tue 6/1/04									
MCN	Protect Nesting Waterfowl (non-BiOp)	Mon 3/15/04	Thu 7/15/04								:	
	Juvenile Fish collection	Thu 3/25/04	Thu 9/30/04									
TMT	Determine start dates for spring spill	Thu 4/1/04	Thu 4/1/04						4	4/1		
TMT	Determine Start dates for Mop Operations	Thu 4/1/04	Thu 4/1/04						4	4/1		
RCC	Determine JDA elevations	Thu 4/1/04	Thu 4/1/04						ď	4/1		
LIB	Start Operational Plan	Thu 4/1/04	Thu 4/1/04						4	4/1		
HGH	Start Operational Plan	Thu 4/1/04	Thu 4/1/04						4	4/1		
	Finish Spring/ summer update	Thu 4/1/04	Thu 4/1/04						4	4/1		
TDA	Wasco Co sampling Tuesdays (non-BiOp)	Thu 4/1/04	Tue 8/31/04						Ĭ		i	
USBR	Upper Snake Augmentation determined	Thu 4/1/04	Thu 4/1/04						4	4/1		
PRD	Hanford Reach Protection flows (non-BiOp)	Thu 4/1/04	Wed 6/30/04						Ī			

Droinet	Task Name	Start	Finish	_	Qtr 4, 2003	Qtr 1, 2004	Qtr 2, 2004	Qtr 3, 2004	Qtı
Project RDB	Trout Spawning Flows 15-25 KCFS (non-BiOp)	Thu 4/1/04	Wed 6/30/04	Sep	Oct Nov Dec	Jan Feb Ma	r Apr May Jun	Jul Aug Se	∌p O
.WG	Spring Flow Objective	Sat 4/3/04	Sun 6/20/04						
WG	Mop Operation	Sat 4/3/04	Thu 9/30/04						
.GS	Mop Operation	Sat 4/3/04	Tue 8/31/04						
.MN	Mop Operation	Sat 4/3/04	Tue 8/31/04						
GS	Mop Operation	Sat 4/3/04	Tue 8/31/04						
.WG	Spill For Juvenile Fish Passage	Sat 4/3/04	Sun 6/20/04						
.GS	Spill For Juvenile Fish Passage	Sat 4/3/04	Sun 6/20/04						
.MN	Spill For Juvenile Fish Passage	Sat 4/3/04	Sun 6/20/04						
HR	Spill For Juvenile Fish Passage	Sat 4/3/04	Tue 8/31/04						
RFC	April Final Forecast	Wed 4/7/04	Wed 4/7/04				4/7		
ГМТ	Set Flow Objectives / refill strategy	Wed 4/7/04	Wed 4/7/04				4/7		
.IB	Be at April 10 Flood Control Elevation	Sat 4/10/04	Sat 4/10/04				4/10		
GCL	Be at April 10 Flood Control Elevation	Sat 4/10/04	Sat 4/10/04				4/10		
WR	Be at April 10 Flood Control Elevation	Sat 4/10/04	Sat 4/10/04				4/10		
IGH	Be at April 10 Flood Control Elevation	Sat 4/10/04	Sat 4/10/04				4/10		
\LB	Be at April 10 Flood Control Elevation	Sat 4/10/04	Sat 4/10/04				4/10		
ИCN	Spring Flow Objective	Sat 4/10/04	Wed 6/30/04						
PRD	Spring Flow Objective	Sat 4/10/04	Wed 6/30/04						
IDA	Minimum Irrigation Pool	Sat 4/10/04	Thu 9/30/04					4	
ИCN	Spill For Juvenile Fish Passage	Sat 4/10/04	Wed 6/30/04						
IDA	Spill For Juvenile Fish Passage	Sat 4/10/04	Tue 8/31/04					4	
ΓDA	Spill For Juvenile Fish Passage	Sat 4/10/04	Tue 8/31/04						
DA	Spill For Juvenile Fish Passage	Sat 4/10/04	Tue 8/31/04						
HGH	Operational Plan Due	Sat 5/1/04	Sat 5/1/04				5/1		
.IB	Operational Plan Due	Sat 5/1/04	Sat 5/1/04				5/1		
IB	Sturgeon pulse	Sat 5/1/04	Wed 6/30/04						
RDB	1 MAF Flow Augmentation Drafting (non-BiOp)	Sat 5/1/04	Sat 7/31/04					4	
RFC	May Final Forecast	Fri 5/7/04	Fri 5/7/04				◆ 5/7		
MT	Determine Volume of Water Available for Sturgeon pulse	Fri 5/7/04	Fri 5/7/04				5/7		
RFC	June Final Forecast	Mon 6/7/04	Mon 6/7/04				• 6	<i>1</i> 7	
MT	Determine Summer Flow objective	Mon 6/7/04	Mon 6/7/04				6	<i>l</i> 7	
DWR	Temperature Modeling and release strategy	Tue 6/15/04	Tue 6/15/04				•	6/15	
	Start work on next year's Water Management Plan	Tue 6/15/04	Tue 6/15/04				Š	6/15	

	Task Name	Start	Finish		Qtr 4, 2003	Qtr 1	, 2004		2004		3, 2004		Qtr
Project				Sep	Oct Nov Dec	Jan	Feb Mar	Apr	May Jun	Jul	Aug	Sep	Oc
LWG	Summer Flow Objective	Mon 6/21/04	Tue 8/31/04										
MCN	Determine Summer Transport Date	Fri 6/25/04	Fri 6/25/04							6/2	5		
LIB	Refill By June 30	Wed 6/30/04	Wed 6/30/04						•	6/:	30		
GCL	Refill By June 30	Wed 6/30/04	Wed 6/30/04						•	6/:	30		
DWR	Refill By June 30	Wed 6/30/04	Wed 6/30/04						•	6/:	30		
HGH	Refill By June 30	Wed 6/30/04	Wed 6/30/04						•	6/:	30		
ALF	Refill By June 30	Wed 6/30/04	Wed 6/30/04						•	6/:	30		
LIB	Operate to meet Summer Flow objectives	Thu 7/1/04	Tue 8/31/04										
GCL	Operate to meet Summer Flow objectives	Thu 7/1/04	Tue 8/31/04										
HGH	Operate to meet Summer Flow objectives	Thu 7/1/04	Tue 8/31/04										
ALF	Operate to meet Summer Flow objectives	Thu 7/1/04	Tue 8/31/04										
DWR	Operate to meet Summer Flow objectives	Thu 7/1/04	Tue 8/31/04										
MCN	Summer Flow Objective	Thu 7/1/04	Tue 8/31/04										
GCL	Operate Bank Lake 5 ft. from full	Thu 7/1/04	Tue 8/31/04										
LIB	Bull trout Releases	Thu 7/1/04	Sat 7/31/04										
LIB	Libby / Arrow Swap Considered	Thu 7/1/04	Thu 7/1/04						•	6 7/	1		
LIB	Summer draft Limit 2439 ft.	Tue 8/31/04	Tue 8/31/04	-						Ĭ	•	8 /	/31
HGH	Summer draft Limit 3540 ft.	Tue 8/31/04	Tue 8/31/04	-							•	8/	/31
GCL	Summer draft Limit 1280 or 1278 ft.	Tue 8/31/04	Tue 8/31/04	-							•	8/	/31
DWR	Summer draft Limit 1520 ft.	Tue 8/31/04	Tue 8/31/04								•	8/	/31
GCL	Banks Lake Drafted to 1565 ft.	Tue 8/31/04	Tue 8/31/04								•	8/	/31
DWR	Operate at minimum outflow	Wed 9/1/04	Thu 9/30/04									_	
	Completion of Next year's Water Management Plan	Mon 9/20/04	Mon 9/20/04									4	9/2
GCL	Kokanee Forebay Elevation 1283 ft. (non-BiOp)	Thu 9/30/04	Thu 9/30/04									•	6 9